Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/29/2020 09:23 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124524	-1	2.81	124605	2.84
Blue	F	SSC	125000	124458	-1	3.99	125355	3.95
Blue	E	FITC	14203	13766	-4	3.17	298	15.10
Blue	D	PE	25703	25358	-2	2.84	548	10.46
Blue	B	PerCP-Cy5-5	42104	41849	-1	3.50	929	14.54
Blue	A	PE-Cy7	34646	34383	-1	4.67	495	28.91
Red	C	APC	49824	49305	-2	2.85	1499	11.41
Red	A	APC-Cy7	39773	38879	-3	2.94	734	11.30
Violet	B	V450	7447	7068	-6	4.48	409	12.10
Violet	A	V500	31193	30113	-4	4.26	688	9.99

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21455	3.12	554	-2	N/A	N/A	Pass
Blue	F	SSC	54978	3.57	512	0	N/A	N/A	Pass
Blue	E	FITC	53	53.22	485	-1	0.0419	74	Pass
Blue	D	PE	109	37.53	486	1	0.4133	281	Pass
Blue	B	PerCP-Cy5-5	180	36.22	577	0	0.0202	104	Pass
Blue	A	PE-Cy7	115	60.01	619	-1	0.0219	0	Pass
Red	C	APC	351	23.15	567	0	0.0272	20	Pass
Red	A	APC-Cy7	204	23.72	541	-3	0.0068	741	Pass
Violet	B	V450	89	38.61	456	7	0.0506	1397	Pass
Violet	A	V500	120	27.37	474	7	0.0270	494	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.97 - 71.95	N/A	N/A	-32.92	-32.71	0.93
Blue	20.36	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.38
Red	22.78	15.99 - 23.99	N/A	N/A	31.03	31.28	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 11561

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments